

BOTTLE CONCEPT 1

In this design concept I have attempted to hide the opening where the capsule sits. The bottle's lid screws onto the top of the bottle and thus hiding the opening.

Easy 'pop-up' mouthpiece, ideal for sport. The lid design also has a strong seal that completely prevents leaking.

Gripping surface covers the side of the plastic lid allowing the user to tighten / loosen it with ease.

Design involves CO2 capsule being vertically inline with the straw & the valve sitting in between, controlling gas flow.

Small opening allowing for water flow

Similar to the restart button on the reverse side of calculators the carbonation button on the side of the button is designed so it isn't pressed by accident.

There are various potential problems that could arise with the design in sketches 1 & 2. Some include:

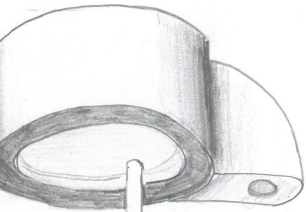
- difficult to clean inside the base of the bottle as there is only a small opening.
- tip easily. the combine weight of the capsule, valve and straw may create problems with the overall weight distribution

Sketch 4 shows a slight alteration in the bottle design. In theory the design will make regular cleaning the product easier.

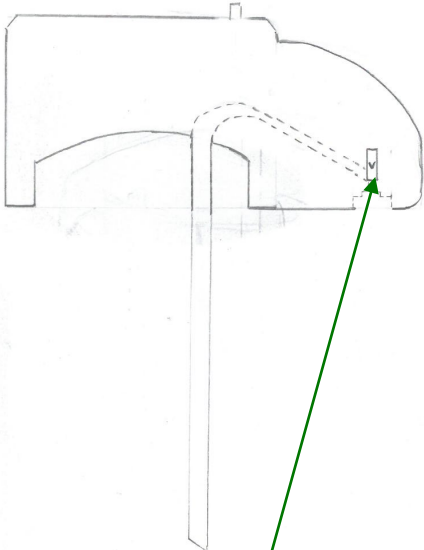
If the bottle design was to be manufactured then it'd be made from *TruTaste* polypropylene with *HydroGuard* (which is formula that prevents water holding a plastic taste)

BOTTLE CONCEPT 2

Thick / deep rim used as the lid screw & sipped from when in use.

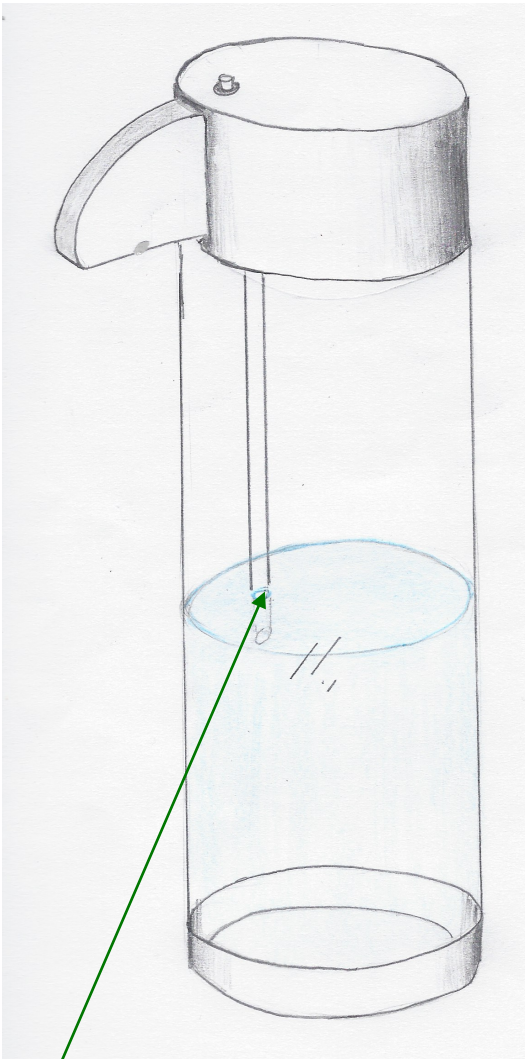


Very easy removal of CO2 Carbonator Cylinder. Efficient design incorporates a screw-twist locking mechanism.



Small valve sits above the CO2 cylinder when it's in place. The very small button on the top of the bottle controls this valve and thus controls that rate at which the water is carbonated.

The overall shape and look of the bottle design is somewhat similar to Voss bottle (Norwegian brand of bottled water). Both designs have a glass body and the lids have a sharp circular edge. The possible copyright Voss has over this 'look' may be a factor if I was to pursue the design.



Straw (forcing CO2 gas into water) is attached to inside of bottle lid

